

## NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 4231/2055

## CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL928101247US** on this date, **June 20, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

17537 U.S. PTO  
10/601518  
06/20/03

## Enclosed herewith is a new patent application of:

First Named Inventor (or application identifier): Choong-Chin Liew

Title of Invention: Method for the Detection of Gene Transcripts in Blood and Uses Thereof

Type: New

- ☐ Continuation of: \_\_\_\_\_
- ☒ Continuation-in-Part of: 10/268,730
- ☐ Divisional of: \_\_\_\_\_
- which is hereby incorporated by reference in its entirety into the application filed herewith;

## and includes the following papers:

1. ☒ Specification 3,315 pages (including specification, claims, abstract)/ 18 claims (8 independent)
2. ☒ Declaration/Power of Attorney is:
  - ☐ Executed ☐ Unexecuted ☐ Executed copy from Parent Application
  - ☒ NOT included, but deferred under 37 C.F.R. § 1.53(f).
3. ☒ 23 Distinct sheets of ☐ Formal ☒ Informal Drawings
4. ☒ Application Data Sheet
5. ☐ Preliminary Amendment.
6. ☐ Information Disclosure Statement
  - ☐ Form 1449 ☐ A copy of each cited prior art reference
7. ☐ Assignment with Recordation Cover Sheet.
8. ☒ Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

Country	Application Number	Date of Filing (day, month, year)
U.S.	60/115,125	6 January, 1999

9. ☒ Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):

Application Number	Date of Filing (day, month, year)
10/268,730	October 9, 2002
09/477,148	January 4, 2000

10. ☐ Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):

Application Number	Date of Filing (day, month, year)

The above applications from which priority is claimed are hereby incorporated in their entirety into the application filed herewith.

11. ☐ Priority document(s).
12. ☐ Microfiche Computer Program (Appendix).
13. ☒ Nucleotide and/or Amino Acid Sequence Submission.  
☒ Computer Readable Copy (CD-ROM).  
☒ Paper Copy (identical to computer copy).  
☒ Statement verifying identity of above copies.
14. ☒ Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)
15. ☒ Statement of Small Entity Status, Pursuant to 37 C.F.R. § 1.27.

16. Calculation of Fees:

FEES FOR	TOTAL CLAIMS	EXCESS CLAIMS	FEE	AMOUNT DUE
Basic Filing Fee (37 C.F.R. § 1.16(a))				\$750.00
Total Claims in <b>Excess of 20</b> (37 C.F.R. § 1.16(c))	53	33	\$18.00	594.00
Independent Claims in <b>Excess of 3</b> (37 C.F.R. § 1.16(b))	8	5	\$84.00	420.00
Multiple Dependent Claims (37 C.F.R. § 1.16(d))	Yes		\$280.00	280.00
Subtotal - Filing Fee Due				\$2,044.00
Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28)	MULTIPLY BY 0.50			\$1,022.00
<b>TOTAL FILING FEE DUE</b>				\$1,022.00
Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h))	0		\$40.00	
<b>GRAND TOTAL DUE</b>				\$1,022.00

17. PAYMENT is:  
☒ included in the amount of \$375.00 by our enclosed check. The Commissioner is hereby authorized to charge any deficiencies in the fees to Deposit Account 16-0085, Ref. 4231/2055.  
☐ not included, but deferred under 37 C.F.R. § 1.53(f).

18. All correspondence for the attached application should be directed to:

**Kathleen Williams**  
**Customer Number 29933**  
111 Huntington Avenue  
Boston, MA 02199-7613

19. Other: \_\_\_\_\_

Respectfully submitted,

Date: June 20, 2003

By: \_\_\_\_\_

*Kathleen Williams*

Name: Kathleen Williams  
Registration No.: 34,380

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Choong-Chin Liew  
Serial No.: Not Yet Assigned  
Filed: June 19, 2003  
Entitled: Method for the Detection of Gene Transcripts  
in Blood and Uses Thereof

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL928101247US** on this date, **June 20, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Williams

Name of Person Mailing Paper



Signature of Person Mailing Paper

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:

- 1. New Patent Application Transmittal;
- 2. Patent Application, (3,315 pages);
- 3. Statement under 37 C.F.R. §1.821 (f) and (g)
- 4. Three (3) CD-ROMs (called Seqlist Copy 1, Seqlist Copy 2, and Seqlist Copy3 containing Sequence Listing, the content of each CD-ROM is identical and is as follows:

Machine Format: IBM-PC

Operating System: MS-Windows

Files Contained: Sequence Listing (CDS 1516)

Size: 117,888

Date of Creation: June 16, 2003

- 5. Two (2) CD-ROMs (called Tables Copy 1 and Tables Copy 2) containing Tables 2, 3A through 3O and 4, the content of each CD-ROM is identical and is as follows:

Machine Format: IBM-PC

Operating System: MS-Windows

Files Contained:

TABLE 2	1,991,680	6/11/2003
TABLE 3A (GeneListFigure8.hyperten)	223,744	6/18/2003
TABLE 3B (GeneListFigure9.obesity)	240,640	6/18/2003
TABLE 3C (GeneListFigure10.allergies)	165,376	6/18/2003
TABLE 3D (GeneListFigure11.syst.ster)	161,792	6/18/2003
TABLE 3E (GeneListFigure12.hyper)	483,328	6/18/2003
TABLE 3F (GeneListFigure13.obesity)	291,328	6/18/2003

TABLE 3G (GeneListFigure14.diabetes)	238,080	6/18/2003
TABLE 3H (GeneListFigure15.hyperlipidemia)	267,264	6/18/2003
TABLE 3I (GeneListFigure16.lung)	160,768	6/18/2003
TABLE 3J (GeneListFigure17.bladder)	1,511,424	6/18/2003
TABLE 3K (GeneListFigure18.bladder)	1,262,592	6/18/2003
TABLE 3L (GeneListFigure19.cad)	348,160	6/18/2003
TABLE 3M (GeneListFigure20).ra	513,024	6/18/2003
TABLE 3N (GeneListFigure21.depression)	248,320	6/18/2003
Table 3O (GeneListFigure22).ra	95,232	6/18/2003
Table 4	276,480	6/19/2003

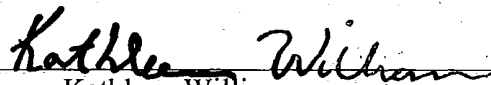
6. Informal drawings of Figs 1-24;
7. Non-Pub Request (Request for Certification Under 35 U.S.C. 122(b)(2)(B)(i));
8. Application Data Sheet;
9. Check in the amount of \$1,022.00 for the requisite filing fee; and
10. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 4231/2055. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: June 20, 2003

  
 Name: Kathleen Williams  
 Registration No.: 34,380  
 Customer No.: 29933  
 Palmer & Dodge LLP  
 111 Huntington Avenue  
 Boston, MA 02199-7613  
 Tel: 617-239-0100

Express Mail Label Number: EL928101247US

Date of Deposit: June 20, 2003

<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	Choong-Chin Liew
	Title:	Method for the Detection of Gene Transcripts in Blood and Uses Thereof
	Attorney Docket Number:	4231/2055

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b)

June 20, 2003

Date



Signature

Kathleen M. Williams

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**